

#5

**FIG. 1A**

>33358 cDNA ORF 75-1046

## FIG. 1B

>33358 amino acids

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MEDGPVFYGFKNIFITMFEATFFFKLLIKVFLALLTHFYIVKGNRKEAARIAAEEIYGGISDCWADRSPLH  
EAAAQGRILLALKTLIAQGVNVNLVTINRVSSLHEACLGGHVACAKALLENGAVNNGVTVHGATPLFNACC  
SGSAACVNVLLEFGAKAQGLEVHLASPIHEAVKRGHRECMEILLANNVNIDHEVPQLGTPLYVACTYQRVD  
CVKKLLELGASVWDHGQWLDTPLHAAARQSNEVITHLLTDYGANLKRRNAQGKSALDLAAPKSSVEQALLL  
REGPPALSQLCRLCVRKCLGRACHQAIIHKLHLPEPLERFLLYQ.
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**FIG. 2A-1**

		1	2	3	4	5	6	7	8	9	10	11	12
<b>A</b>	HMVECL	Fetal Brain	Bronchial Epithelium Mix (BEAS-2B)	Mesangial	Fetal Heart	LPS 24 hr Osteoblasts	A2780 WT	UCLA-R Lung Carcinoma	Erythroleukemia cells	Trachea	Testes (random-primed)	Placenta (random-primed)	
	HUVECL	Bronchial Epithelium	Cong. Heart Failure	T24 Ct1	Mammary Gland	Burkitt's Lymphoma	A2780 ADR	UCLA-S Lung Carcinoma	Embryonic Keratinocytes	Cervical Carcinoma	Testes	Mammary Gland (random-primed)	
<b>B</b>	HL60/S	Astrocytes	Cerebellum	T24 Treated	Nat. Killer Cells	Mammary Epithelium	Fetal Spleen	p65 Con+/+	Tongue Squamous Cell	SCC25 CDDP-Tongue Squamous Cell Carcinoma	RAJI Burkitt's Lymphoma B cell	ME 180 Control	Small Intestine (random-primed)
	U937/ A10P1 0	Prostate	Pituitary	Prostate Fibroblast	Cong. Heart Failure (CHFd)	Esophagus	Uterine Smooth Muscle, treated	p65 IL-1 +/0	Tongue Squamous Cell	SCC25 WT-Tongue Squamous Cell Carcinoma	MCP-1 Mast cell line	ST486 (Lymphoma B cell)	Fetal Liver (random-primed)

**FIG. 2A-2**

	1	2	3	4	5	6	7	8	9	10	11	12
<b>E</b>	U937/ A10p5 0	Primary Osteoblast	Aortic Endo- thelial	Bone Marrow	Prostate Smooth Muscle	Umbilical Smooth Muscle, treated	Fetal Liver	A549 con	Fetal Hypo- thalamus	HPKII	HL60 (Acute Pro- myelocytic Leukemia)	Skeletal Muscle (random- primed)
	CaCo	Keratino- cytes	Fetal Kidney	Cong. Heart Failure (CHFc)	Thyroid	Bronchial Smooth Muscle	Fetal Skin	A549 IL-1	T cells, CD3 treated	Lung (random- primed)	Umbilical Smooth Muscle, treated (random- primed)	Stomach (random- primed)
<b>F</b>	HeLa	Melano- cytes	Fetal Liver	Adrenal Gland	LPS 1hr Osteoblasts	WT LNCap+ Casodex	Fetal Adrenal Gland	T cells, CD3, IL-4/IL-10 treated	Heart (random- primed)	Uterine Smooth Muscle, treated (random- primed)	Uterine Smooth Muscle, treated (random- primed)	Spleen (random- primed)
	HL60/Adr	Coronary Smooth Muscle Cells	Fetal Lung	Fetal Thymus	LPS 6hr Osteoblasts	WT LNCap+ Testos- terone	Pulmonary Artery Smooth Muscle	T cells, CD3 IFNg/TFN $\alpha$ treated	Fetal Brain (random- primed)	Skin/ Adipose	Skin/ Adipose	Liver (random- primed)

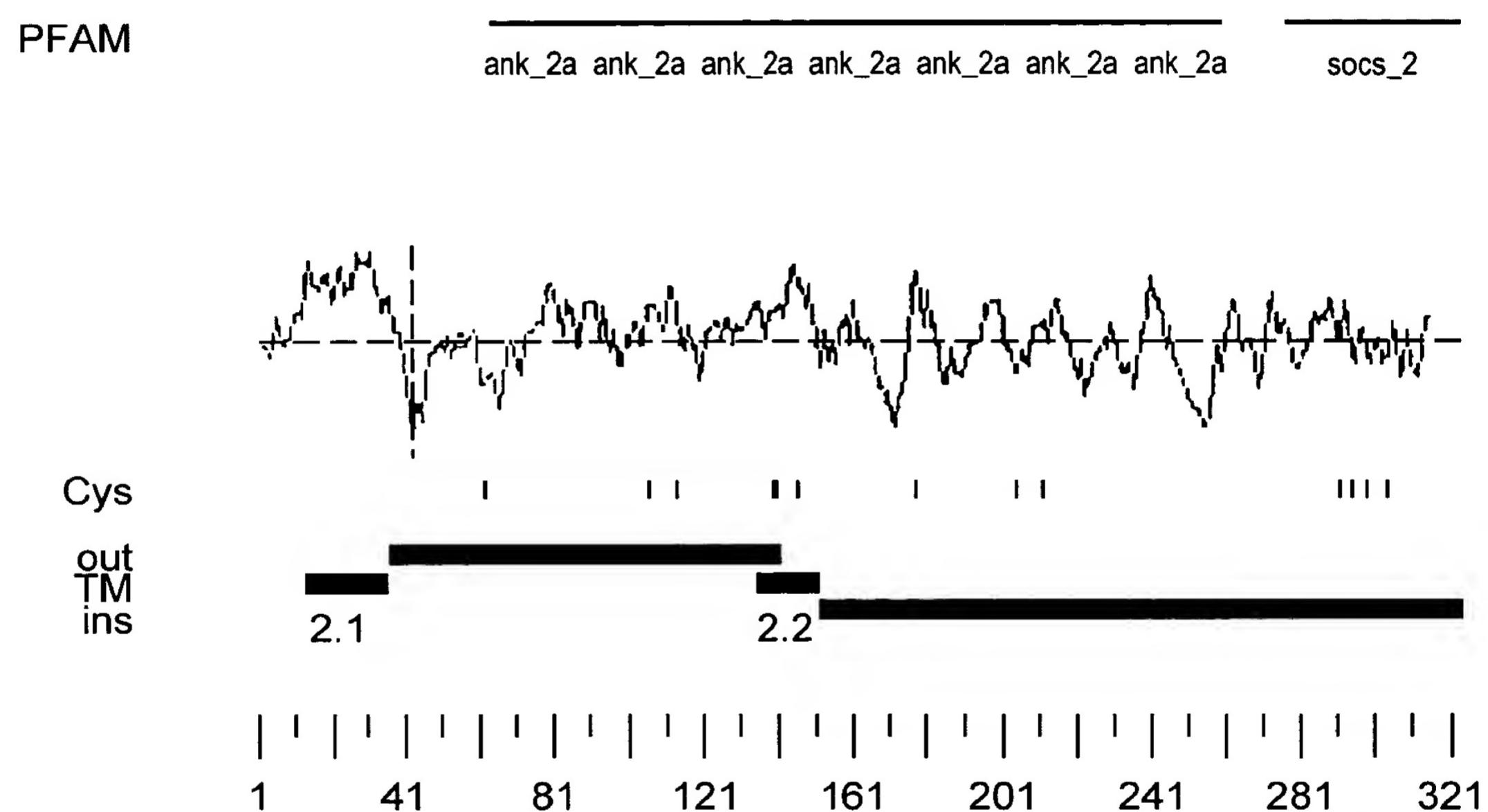
**FIG. 2B-1**

	1	2	3	4	5	6	7	8	9	10	11	12
<b>A</b>	Kidney (random- primed)	Testes	Prostate	HMC-1 (mast cell line)	Fetal Dorsal Spinal Cord	CHT127	erythro- blasts (jyhMc)	spinal cord (ION3 (jhbd	HUVEC TGF-b (umbilical endo- thelium)	HUVEC Hypoxia (umbilical)	Spinal Chord (ION 3)	
<b>B</b>	Brain (random- primed)	K563 (RBC line)	Uterus	Hep-G2 (insulin- oma)	Normal Colon	CHT1221	skin PT1211, 212)	HUVEC control (ichPa)	human colon	Melanoma G361 cell line	Adult Bone Marrow CD34 + Cells	
<b>C</b>	HPK (random primed)	Lung	Mammary Gland	Normal Breast Epithelia	Colon to Liver Metastasis (CHT128)	normal breast	W138 20hr BMCD34+ (jyhMc)	W138 20hr serum starve	HUVEC untreated (umbilical endothelia)	Th1 Cells		
<b>D</b>	Uterus (random- primed)	Liver	Spleen	Normal Ovarian Epithelia	Colon to Liver Metastasis (CHT133)	ovarian ascites (jhOB)	lung squamous cell	lung squamous carcinoma	IBD Colon (WUM 23)	Th2 Cells		

**FIG. 2B-2**

		1	2	3	4	5	6	7	8	9	10	11	12
E	Thymus (random- primed)	Heart	Small Intestine	Normal Megakaro- cytes	Colon Carcinoma (NDR109)	lung adeno- carcinoma (PIIT245)	IBD colon (WUM6) (jhna)	brain subcortical white matter	Prostate Tumor Xenograft A12	Trigeminal Ganglia			
F	9 week Fetus	Thymus	Retinal Pigmentosa Epithelia	Bone Marrow	Colon Carcinoma (NDR103)	lung squamous cell carcinoma PIIT299	Cervical Cancer (johCe)	normal prostate (ziplox)	Prostate Tumor Xenograft K10	Lumbo- sacral Spinal Chord			
G	A549 control (random- primed)	Stomach	Retina	Th-1 induced T cell	Colon Carcinoma (NDR82)	d8 dendritic cells	Spinal cord (jhbc)	ovarian epithelium tumor	Prostate Cancer to Liver Metastasis JHH3	Lumbo- sacral Dorsal Root Ganglia			
H	Salivary Gland	Skeletal Muscle	HVC-1 (mast cell line)	Th-2 induced T cell	Colon Carcinoma (NDR097)	Megakary- ocytic tes(jtheb)	DRG (ION6,7,8) (jhxe)	HUVEC L- name (umbilical end.)	Prostate Cancer to Liver Metastasis JHH4	Dorsal Root Ganglia (ION 6,7&8)			

**FIG. 3**



>33358

MEDGPVFYGFKNIFITMFATFFFFKLLIKVFLALLTHFYIVKGNRKEAARIAEEIYGGISDCWADRSPLH  
EAAAQGRLLALKTLIAQGVNVNLVTINRVSSLHEACLGGHVACAKALLENGAHVNGVTVHGATPLFNACC  
SGSAACVNVLLEFGAKAQLEVHLASPIHEAVKRGHRECMEILLANNVNIDHEVPQLGTPLYVACTYQRVD  
CVKKLLELGASVDHGQWLDTPLHAAARQSNVEVIHLLTDYGANLKRRNAQGKSALDLAAPKSSVEQALLL  
REGPPALSQCLCRLCVRKCLGRACHQAIHKLHLPEPLERFLLYQ.